Docket Number

FILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10

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December 21, 2001 Date of Deposit

Address to:

Assistant Commissioner for Patents

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UTILITY PATENT APPLICATION TRANSMITTAL AND FEE SHEET

Transmitted herewith for filing under 37 CFR §1.53(b) is the utility patent application of

WESTPHAL ET AL. Applicant (or identifier):

NUCLEIC ACID MOLECULES AND POLYPEPTIDES FOR A HUMAN Title:

CATION CHANNEL POLYPEPTIDE

Enclosed are:

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1.	\boxtimes	Specification (Including Claims and Abstract) - 145 pages
2		Drawings - 12 sheets

Drawings - 12 sheets 2.

Executed Declaration and Power of Attorney (original or copy) 3.

Microfiche Computer Program (appendix) 4.

Nucleotide and/or Amino Acid Sequence Submission 5.

Computer Readable Copy

Paper Copy

Statement Verifying Identity of Above Copies

Preliminary Amendment 6.

Assignment Papers (Cover Sheet & Document(s)) 7.

English Translation of 8.

Information Disclosure Statement 9.

Certified Copy of Priority Document(s) 10.

Return Receipt Postcard 11.

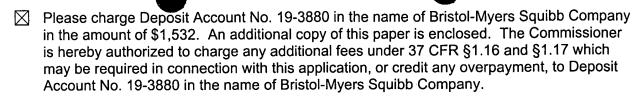
Other: Unexecuted Declaration and Power of Attorney 12.

Filing fee calculation:

Before calculating the filing fee, please enter the enclosed Preliminary Amendment
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									\$	740
Basic Filing Fee										
Multiple Dependent Claim Fee (\$ 280)										
Foreign I	anguage Surchar	ge (\$ 130)							\$	
1 010ig.i =	For	Number Filed		Number Extra		Rate				
Extra Claims	Total Claims	22	-20	2	x	\$	18	=	\$	36
Olalino	Independent Claims	12	-3	9	×	\$	84	=	\$	756
	TOTAL FILING FEE									1,532





Please address all correspondence to the address associated with Customer No. 23914, which is currently:

Stephen B. Davis Bristol-Myers Squibb Company Patent Department P.O. Box 4000 Princeton, NJ 08543-4000

Date: December 21, 2001

Please direct all telephone calls to the undersigned at the number given below, and all telefaxes to (609) 252-4526.

Respectfully submitted,

Stephen C. D'Amico Agent for Applicants

Reg. No. 46,652

Tel. No. (609) 252-5289